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**KILYK & BOWERSOX, P.L.L.C.** AUG 06 2004*Intellectual Property Law*LUKE A. KILYK\* (PA, DC)  
LEONARD D. BOWERSOX  
ARASH BEHRAVESH\* (MA)  
JASBIR SINGH  
MATTHEW T. GILL53 A East Lee Street  
WARRENTON, VA 20186FAIRFAX OFFICE  
3603-E Chain Bridge Road  
Fairfax, Virginia 22030Of Counsel:  
WILLIAM CHARLES JAMISON  
WILLIAM O. TROUSDELL\* (PA, DC)TEL.: (540) 428-1701  
FAC.: (540) 428-1720  
(540) 428-1721Email: lkilyk@kbpatentlaw.com  
Website: http://www.kbpatentlaw.com

\*Admitted only in states indicated


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**FACSIMILE TRANSMISSION COVER SHEET****OFFICIAL**

DATE: August 6, 2004

TO: Examiner Brian J. Sines  
Group Art Unit 1743  
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RE: U.S. Patent Application No. 09/752,656  
For: SENSORS WITH IMPROVED PROPERTIES  
Our Ref.: 00140 (3600-333)

FROM: Luke A. Kilyk, Esq. 

FAC. TEL. NO.: 1-703-872-9306

**NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 25**Items Attached: Amendment --23 Pages  
Fee Transmittal Sheet -- 1 Page

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. 1-703-872-9306 on August 6, 2004.

Kim Blum  
Name of Person signing Certificate  
Signature

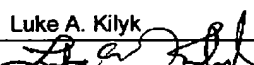
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FEE TRANSMITTAL for FY 2004		Complete if Known	
Effective 10/01/2003. Patent fees are subject to annual revision.		Application Number	09/752,656
		Filing Date	December 29, 2000
		First Named Inventor	MUNOZ et al.
		Examiner Name	Brian J. SINES
		Art Unit	1743
		Attorney Docket No.	00140 (3600-333)
<input type="checkbox"/> Applicants claim small entity status. See CFR 1.27			
TOTAL AMOUNT OF PAYMENT		(\$ 104.00)	

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																					
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 03-0060 Deposit Account Name: Cabot Corporation		<b>3. ADDITIONAL FEES</b> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051 130</td><td>2051 66</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052 50</td><td>2052 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053 130</td><td>1053 130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812 2,520</td><td>1812 2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804 920*</td><td>1804 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805 1,840*</td><td>1805 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251 110</td><td>2251 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252 420</td><td>2252 210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253 950</td><td>2253 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254 1,480</td><td>2254 740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255 2,010</td><td>2255 1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401 330</td><td>2401 165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402 330</td><td>2402 165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403 290</td><td>2403 145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451 1,510</td><td>1451 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452 110</td><td>2452 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453 1,330</td><td>2453 665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501 1,330</td><td>2501 665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502 480</td><td>2502 240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503 840</td><td>2503 320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460 130</td><td>1460 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807 50</td><td>1807 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806 180</td><td>1806 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021 40</td><td>8021 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809 770</td><td>2809 385</td><td>Filing a submission after final rejection (37 CFR 1.129(e))</td><td></td></tr> <tr><td>1810 770</td><td>2810 385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801 770</td><td>2801 385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802 900</td><td>1802 900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1051 130	2051 66	Surcharge - late filing fee or oath		1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for ex parte reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1,005	Extension for reply within fifth month		1401 330	2401 165	Notice of Appeal		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1451 1,510	1451 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unavoidable		1453 1,330	2453 665	Petition to revive - unintentional		1501 1,330	2501 665	Utility issue fee (or reissue)		1502 480	2502 240	Design issue fee		1503 840	2503 320	Plant issue fee		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		1806 180	1806 180	Submission of Information Disclosure Stmt		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(e))		1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))		1801 770	2801 385	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application	
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SUBMITTED BY		Complete if applicable	
Name (Print/Type)	Luke A. Kilyk	Registration No. (Attorney/Agent)	33,251
Signature		Telephone	1-540-428-1701
		Date	August 6, 2004

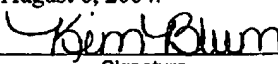
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Kim Blum  
Name (Print)

  
Signature

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**OFFICIAL**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: MUNOZ et al.	)	Examiner: Brian J. Sines
	)	
Application Number: 09/752,656	)	
	)	Group Art Unit: 1743
Filed: December 29, 2000	)	
	)	
Docket No.: 00140 (3600-333)	)	Confirmation No.: 9394

For: SENSORS WITH IMPROVED PROPERTIES

**AMENDMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 6, 2004

Sir:

This Amendment is in response to the Office Action dated May 6, 2004, for which the Examiner has set a three-month period for response, thus making the response due on or before August 6, 2004.

Please amend the above-identified application as follows:

Amendments to the claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 10 of this paper.